FIG. 1

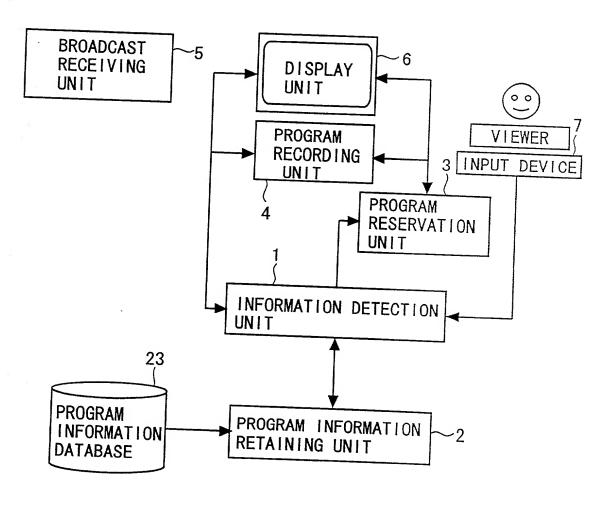


FIG. 2

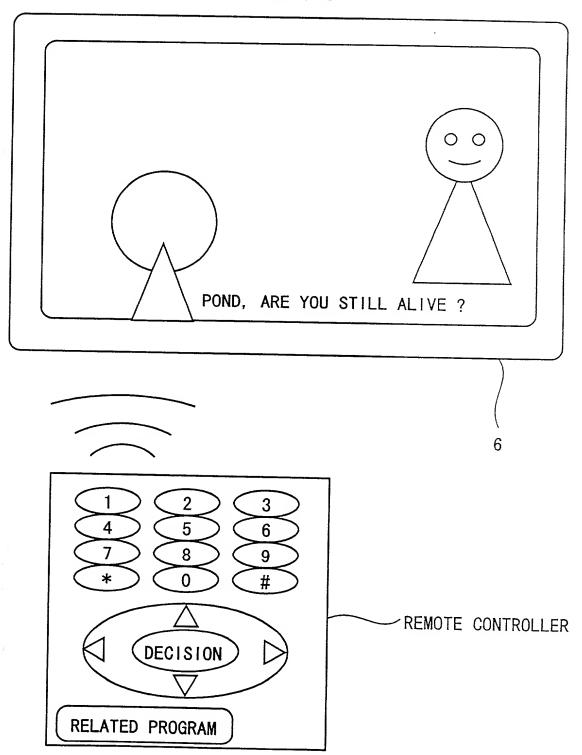


FIG. 3

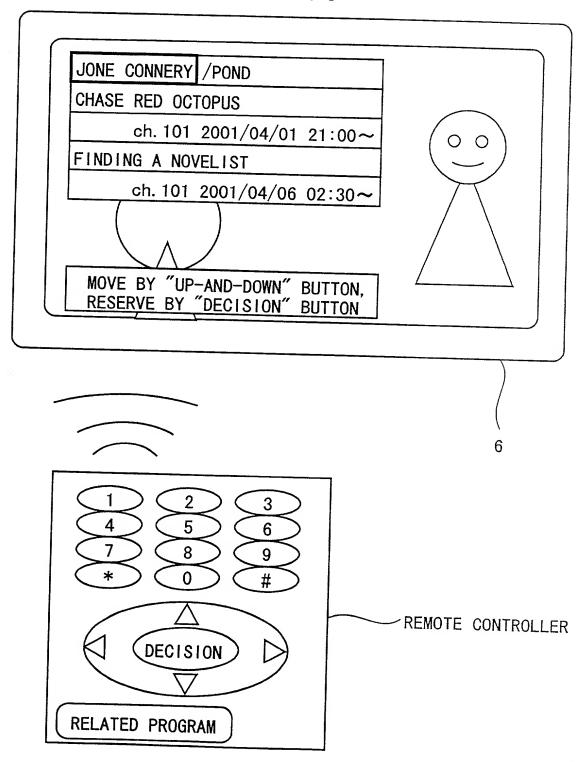


FIG. 4

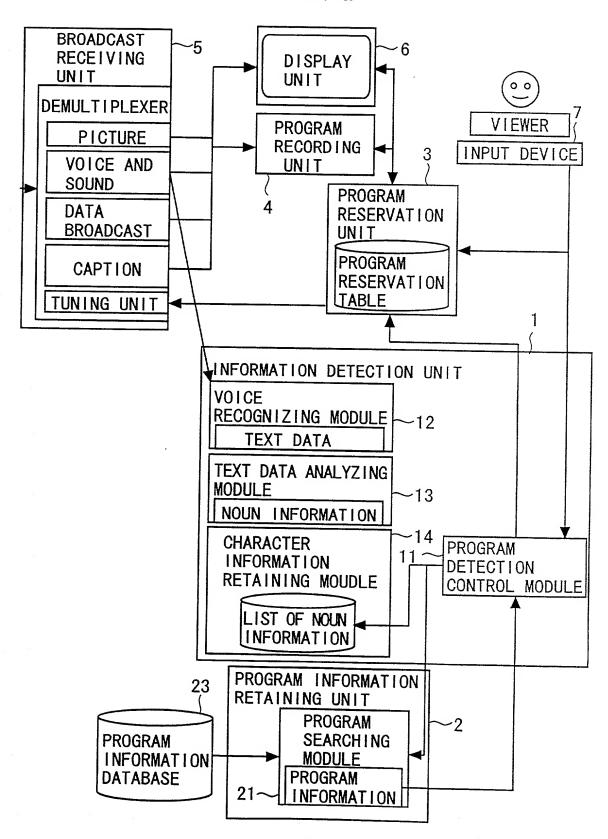


FIG. 5

	T			
SERVICE	ID	TITLE OF PROGRAM	STARTING DATE/TIME	CONTINUOUS TIME
100	0000	ON A CERTAIN DAY IN APRIL	2001/04/01 00:00:00	01:00:00
100	0001	A SEQUEL TO "ON A CERTAIN DAY IN APRIL"	2001/04/01 00:01:00	00:01:00
•••	•••	•••		• • •
101	01 0100 WORLD OF CATS		2001/04/01 00:00:00	00:40:00
	• • •	•••		• • •

RESERVATION	ID	TITEL OF PROGRAM	STARTING DATE/TIME	CONTINUOUS TIME	SERVICE
000	0100	ON A CERTAIN DAY IN APRIL	2001/04/01 00:00:00	00:40:00	101
001	0001	A SEQUEL TO "ON A CERTAIN DAY IN APRIL"	2001/04/01 00:01:00	00:01:00	100
	• • •	•••	• • •		

FIG. 7 A PROCESSES BY PROGRAM DETECTION CONTROL MOUDLE ACCEPT AN OPERATION GIVEN FROM VIEWER OF -S1 DISPLAYING AND RESERVING RELATED PROGRAM THROUGH INPUT DEVICE OBTAIN LIST OF NOUN INFORMATION S2 FROM CHARACTER INFORMATION RETAINING MODULE **S**3 NO · IS THERE NOUN INFORMATION ? YES TRANSFER NOUN INFORMATION TO PROGRAM INFORMATION RETAINING UNIT. AND EXECUTE ·\$4 PROGRAM INFORMATION SEARCH PROCESS **S**5 NO IS THERE RELATED PROGRAM INFORMATION ? YES TRANSFER PROGRAM INFORMATION TO PROGRAM ESERVATION UNIT, AND EXECUTE PROGRAM **-**\$6 RESERVATION PROCESS

END

FIG. 8

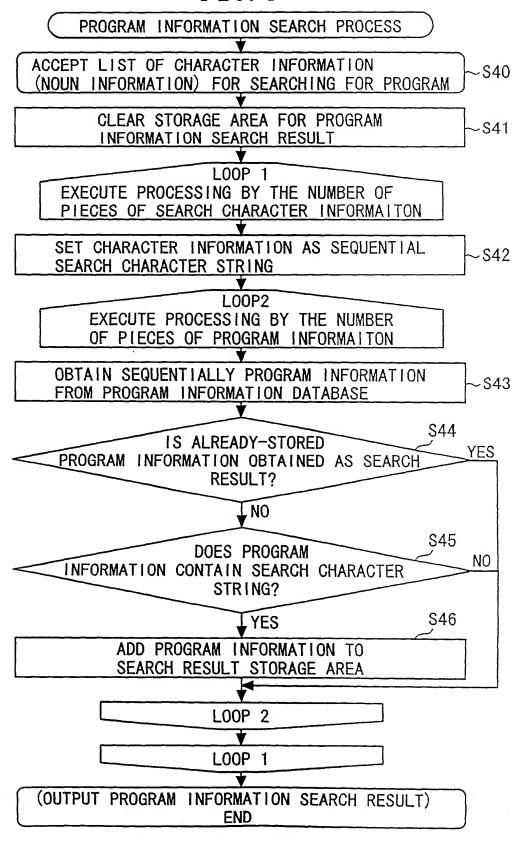


FIG. 9 PROGRAM RESERVATION PROCESS ACCEPT PROGRAM INFORMATION LIST **S60** (SEARCH RESULT OF RELATED PROGRAM) CLEAR STORAGE AREA FOR DISPLAY -S61 TARGET PROGRAM INFORMATION L00P 1 EXECUTE PROCESSING BY THE NUMBER OF PIECES OF PROGRAM INFORMATION OBTAIN SEQUENTIALLY PROGRAM INFORMATION -S62 FROM PROGRAM INFORMATION LIST \$63 IS THIS A PROGRAM YES ALREADY RESERVED IN PROGRAM RESERVATION TABLE? **S64** INO ADD PROGRAM INFORMATION TO STORAGE AREA FOR DISPLAY TARGET PROGRAM INFORMATION LOOP 1 DISPLAY TARGET PROGRAM INFORMATION -S65 LIST ON DISPLAY UNIT ACCEPT VIEWER'S RESERVING OPERATION ~\$66 L00P2 EXECUTE PROCESSING BY THE NUMBER OF PIECES OF INFORMATION IN DISPLAY TARGET PROGRAM INFORMATION LIST OBTAIN SEQUENTIALLY PROGRAM INFORMATION -S67 FROM DISPLAY TARGET PROGRAM LIST **S68** NO <u>I</u>S VIEWER'S RESRVING INDICATION GIVEN **S69** YES ADD PROGRAM INFORMATION TO PROGRAM RESERVATION TABLE LOOP 2 **END**

FIG. 10

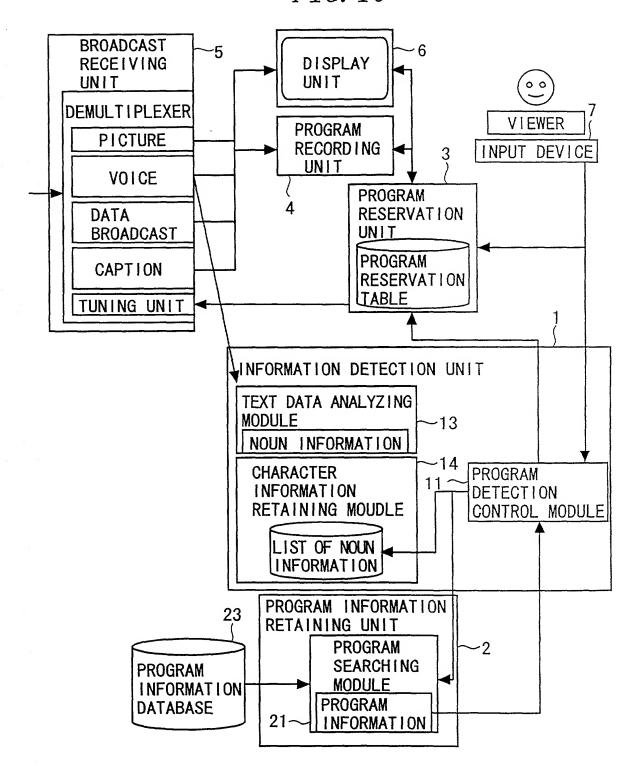


FIG. 11

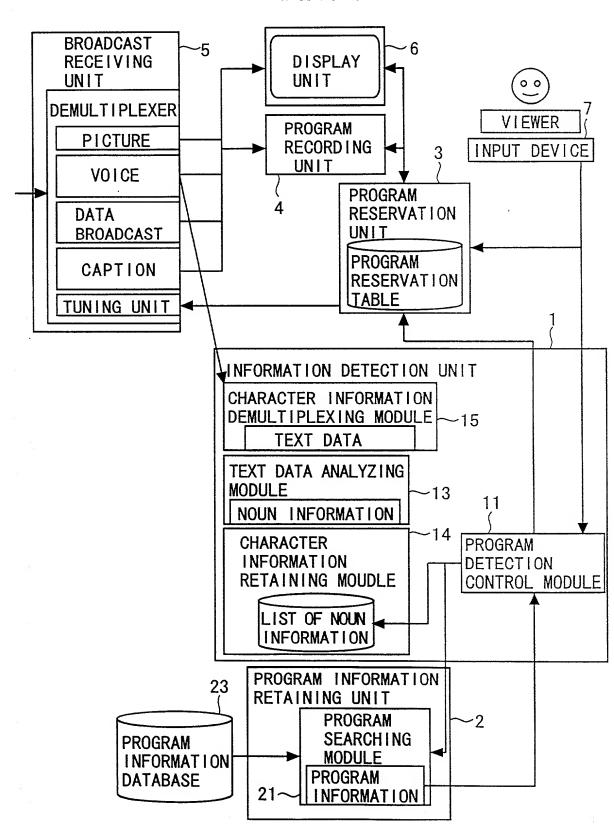


FIG. 12

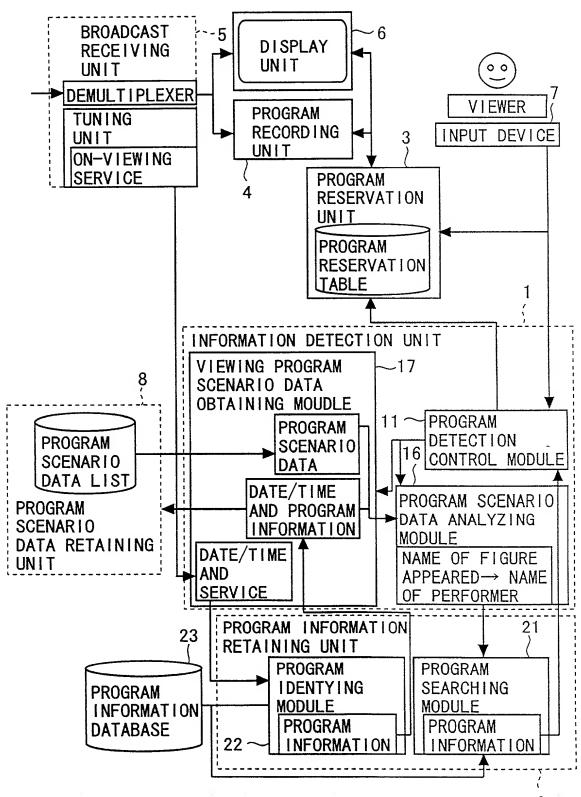
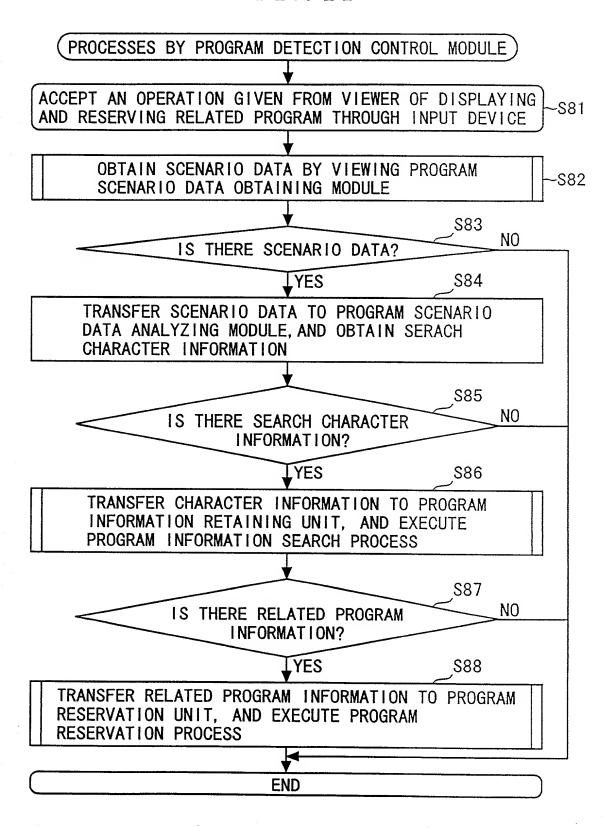
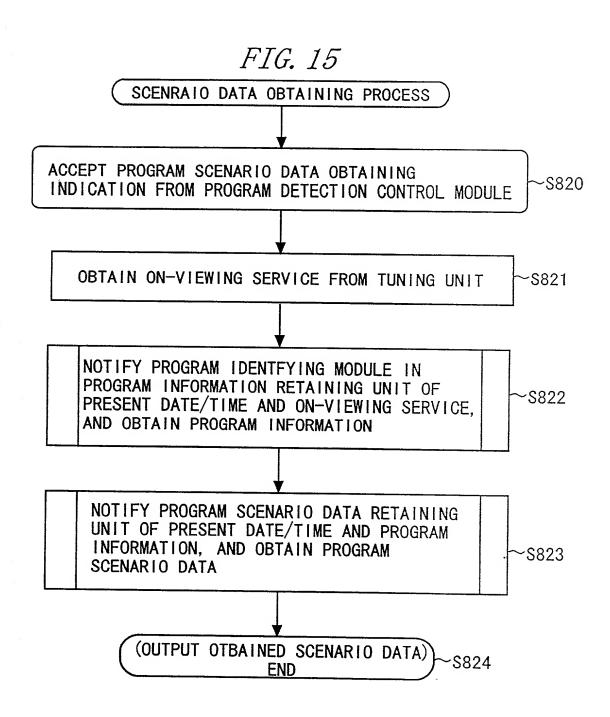


FIG. 13

PROGRAM IDNETIFYING INFORMATION					
NAME OF ITEM	FORM	EXPLANATION ([]SHOWING EXAMPLE OF CONTENTS)			
ID	NUMERICAL VALUE	IDENTIFICATION NUMBER			
TITLE OF PROGRAM	CHARACTER STRING	[0000]			
BROADCASTING STATION FOR PROGRAM	NUMERICAL VALUE	CHANNEL NUMBER			
BROADCAST STARTING DATE/TIME	DATE/TIME	YEAR/MONTH/DATE/TIME:MIN:SE			
BROADCAST ENDING DATE/TIME	DATE/TIME	[2000:04:08 16:05:00]			
PROGRAM SCENARIO INFORMATION					
TIME FROM PROGRAM STARTING TIME (TIME: MIN:SEC)	ITEM OF CONTENTS OF EXPLANATION PROGRAM DISPLAYED FOR ([]SHOWING EXAMPL THIS PERIOD OF TIME OF CONTENTS)				
00:00:00 NAME OF APPEARED FIGURE		ARED	[0000]		
	NAME OF APPEARED FIGURE		$[\times \times \times \times]$		
	PLACE NAME		[ΔΔΔΔ]		
00:05:35	NAME OF APPEARED FIGURE		[0000]		
	NAME OF APPEARED FIGURE				
(CONTINUED TILL END OF PROGRAM)					

FIG. 14





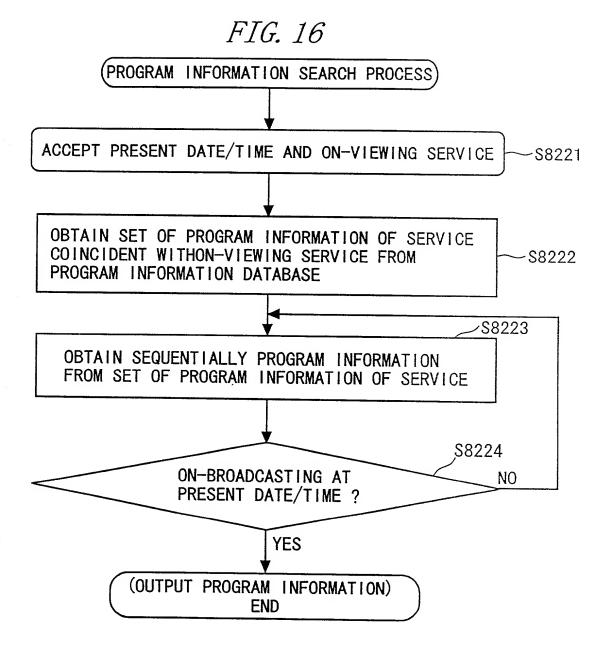


FIG. 17 SCENARIO DATA OUTPUT PROCESS ACCEPT PRESENT DATE/TIME AND PROGRAM -S8230 INFORMATION (ID, STARTING DATE/TIME) IDENTIFY PROGRAM SCENARIO DATA FROM SCENARIO -S8231 DATA LIST WITH PROGRAM INFORMATION (ID) CALCULATE ELAPSE TIME SICNE START OF PROGRAM FROM DIFFERNECE BETWEEN PRESENT DATE/TIME AND -S8232 PROGRAM STARTING DATE/TIME S8233 -OBTAIN SEQUENTIALLY SCENARIO DATA OF PROGRAM SCENARIO DATA S8234 IS NEXT SCENARIO DATA NO STARTING TIME COINCIDENT WITH OR AFTER ELAPSE TIME ? YES (OUTPUT PROGRAM INFORMATION) END

FIG. 18 BROADCAST DISPLAY RECEIVING UNIT UNIT **DEMULTIPLEXER** VIEWER **PROGRAM** RECORDING INPUT DEVICE UNIT **PROGRAM** RESERVATION UNIT **PROGRAM** RESERVATION **JABLE** INFORMATION DETECTION UNIT VIEWING PROGRAM -17SCENARIO DATA OBTAINING MOUDLE 11-PROGRAM **PROGRAM** DETECTION DATE/TIME 16 CONTROL MODULE **SCENARIO** DATA LIST **PROGRAM** PROGRAM SCENARIO **PROGRAM SCENARIO** DATA ANALYZING **SCENARIO** DATA MODULE DATA RETAINING NAME OF FIGURE UNIT APPEARED→ NAME OF PERFORMER PROGRAM INFORMATION 21 23 RETAINING UNIT **PROGRAM** SEARCHING **PROGRAM** MODULE INFORMATION **PROGRAM** LIST INFORMATION

FIG. 19

PROGRAM SCENARIO DATA TRANSMISSION DATE/TIME					
NAME OF ITEM	FORM	EXPLANAT ([]SHOWI OF CONTE	NG EXAMPLE		
ID	NUMERICAL VALUE	IDENTIFICATION NUMBER			
PROGRAM SCENARIO DAT TRANSMISSION DATE/TI	DATE/TIME	YEAR/MONTH/DATE/TIME:MIN:SEC			
PROGRAM SCENARIO INFORMATION					
TIME FROM SCENARIO TRANSMISSION (TIME: MIN:SEC)	RANSMISSION PROGRAM DISPLAYED FOR ([] SHOWING EXAM				
100.00.00		AME OF APPEARED IGURE		[0000]	
F		NAME OF APPEARED FIGURE		$[\times \times \times \times]$	
		PLACE NAME		[ΔΔΔΔ]	
1 I		MME OF APPEARED GURE		(0000)	
		ME OF APPE GURE	ARED	[••••]	